NEW!
ESI[tronic] 2.0
KTS 8 Series

Innovative complete solutions: Professional electronic control unit diagnosis from Bosch

BOSCH
Invented for life

ECU diagnosis
from Bosch

- **ESI[tronic] 2.0** – New workshop software for comprehensive know-how
- **KTS 890** – Mobile test system for vehicle system analysis (DCU 130, KTS 540 and FSA 500)
- **KTS 870** – Complete convenient wireless solution with first-class measuring technology (DCU 130 and KTS 570)
- **KTS 840** – Complete wireless solution with measuring technology (DCU 130 and KTS 540)
- **KTS 570** – Convenient wireless solution with best-in-class measuring technology
- **KTS 540** – Wireless add-on for FSA, BEA, standard PCs or laptops
- **KTS 515** – Entry level access to onboard diagnostics (OBD)
- **KTS 340** – Mobile all-round solution for complete vehicle diagnostics
- **KTS 200** – Entry level access to mobile ECU diagnosis

ECU reprogramming according to Euro 5 standard

In the future these technical model approval requirements will apply all over the EU. Accordingly the Euro 5 standard requires automobile manufacturers to make technical repair information available through their online portals and to permit reprogrammining of ECUs. Only testers that are already Euro 5-compatible can be used. This only includes devices in which a „Passthru Interface“[1] is already integrated. Bosch offers several models for this purpose. If required, the testers can install the latest software version from the online portal of the manufacturer in the control unit of the vehicle. The vehicle manufacturer charges fees for downloading information and reprogramming.

More information about the Euro 5 standard in regards to KTS test equipment and the use of the manufacturer online portals can be found on the Bosch site at http://rb-aa.bosch.com/aa/de/euro5/

[1]The Pass-Thru standard defines a communications driver that is used to reprogram control units.

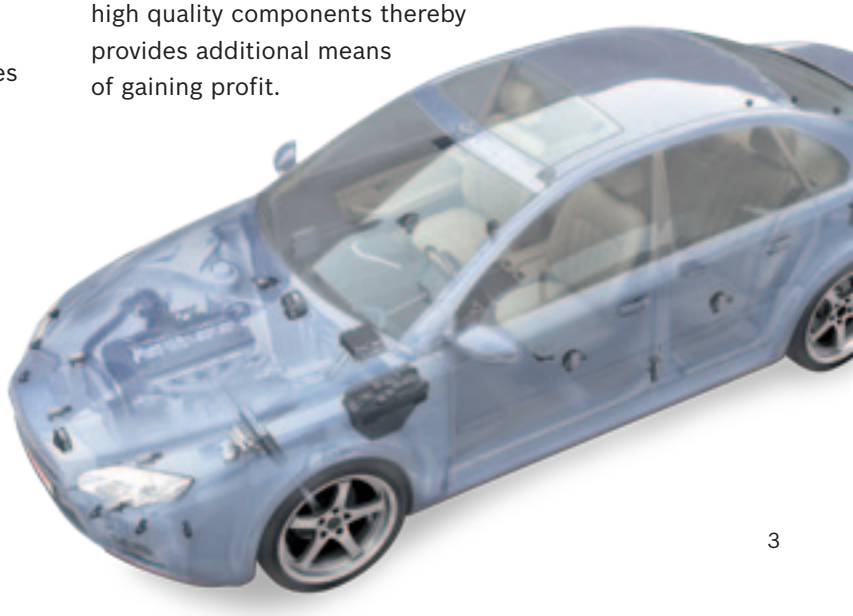
Professional test equipment
for modern vehicle electronics

The KTS series from Bosch: More than 22 years of success in workshop-compatible test equipment for ECU diagnosis

The digital revolution in the automotive industry has not bypassed the workshop. Increasingly more complicated vehicle components and their networking to systems are turning vehicles into “mobile computers”. This results in professional repairs and maintenance requiring qualified diagnosis.

Continued success in service:
With powerful ECU diagnosis from Bosch
The increasing amount of electronics in vehicles makes ECU diagnosis standard practice in the workshop. This also applies to simple maintenance work on modern cars, or resetting the service interval display. With its more than 22 years of experience, the KTS series from Bosch is the test equipment with the highest, and continuously growing, market coverage. Regular updates of the diagnosis data in the integrated ESI[tronic] 2.0 software from Bosch ensure that the workshop always has up-to-date information at its disposal. It currently covers around 80 different types of electronic system from more than 150 vehicle manufacturers. Reliability per subscription: Bosch provides the workshop with around 350 new ECU diagnosis programs per quarter.

New possibilities for turnover with modern diesel technology
A good example is the triumphant progress of the diesel engine: High pressure systems, such as common rail or unit injectors from Bosch make vehicle diagnosis essential. The KTS series, in combination with the specially designed ESI[tronic] 2.0 software, provide you with optimal opportunities to check these systems in the vehicle.
As an extension of the testing opportunities, professional test parameters, such as basic settings, volume comparison, compression test, idling speed comparison and adaptation functions are available. These enable trouble-shooting and repairs to carried out in shorter time and profitably. Not only with Bosch systems, but also for systems of other manufacturers! The renewal of high quality components thereby provides additional means of gaining profit.



The KTS series guarantees transparency in ECU diagnosis. Awards regularly underscore the high acceptance in the global market.

ESI[tronic] 2.0: The basis of information for diagnosis, troubleshooting, repair and service

The Bosch test equipment in the KTS series and ESI[tronic] 2.0 – matching up nicely.

ESI[tronic] 2.0 – software that can do more
Whether free or affiliated workshop, whether passenger car or commercial vehicle – you expect more from workshop software than just control unit diagnosis. Intelligent troubleshooting, support for rapid repair and simple maintenance specifications are required in the workshop. This multifunctionality is provided by the new ESI[tronic] 2.0:

- High level of functionality with simple operation. This saves time
- Accurate diagnosis ensure successful fault correction
- Fast and reliable repairs are the basis for high levels of customer satisfaction

ESI[tronic]-A: Access to the full range of Bosch automotive equipment
Additional benefit through comparison of Bosch codes with order numbers of vehicle manufacturers.

Supplementary service for ESI[tronic] customers
Parts catalog and installation instructions from ZF Services integrated in Bosch workshop software ESI[tronic].

Modular system for ECU diagnosis and SIS trouble-shooting instructions (C)
Professional software for ECU diagnosis via CAS[plus] linked with troubleshooting instructions (SIS) for repairing engine management systems (gasoline and diesel), car brake, safety and convenience systems.

ECU diagnosis software (SD)
Links Bosch test equipment or the workshop PC with information from the control unit

Service Information System (SIS)
SIS troubleshooting instructions can be used on any standard PC

Mechanical work procedures and functions throughout the vehicle (M)
Technical data for gasoline and diesel vehicles, e.g. wheel settings, maintenance schedules, data and information on changing toothed belts

Wiring diagrams for all important areas of comfort and convenience electronics (P)
Most comprehensive selection of vehicle convenience wiring diagrams, covering all manufacturers, under a single user interface

Technical Service Information (TSB)
As an ideal supplement to SIS instructions, TSB opens up rapid access to well-known vehicle faults and offers assignment according to symptom and system group (ABS, airbag, engine, etc.). This is combined with a clear description of causes, supplemented by tested repair tips with visual support

Simple, timesaving and **efficient** vehicle diagnosis with CAS[plus]

CAS[plus] creates connection for practical diagnosis

Bosch download server: Software updates for KTS 340 and KTS 200

CAS[plus] in ESI[tronic] 2.0 achieves rapid switches between the diagnosis functions

- From the system overview into control unit diagnosis or troubleshooting
- From control unit diagnosis into troubleshooing (component repair) and vice versa
- From the maintenance schedule to control unit diagnosis (e.g. interrogate fault codes or adapt service interval)
- From the maintenance schedule into the test values (e.g. brake lining/pad thickness)

All ESI[tronic] information on DVD

This software on DVD is activated individually depending on the workshop requirements – e.g. the ESI[tronic]-C for modern vehicle repair including ECU diagnosis. The ESI[tronic] subscription provides regular updates to insure your information is always up to date.

KTS 340 and KTS 200 updates online

In addition to the KTS 200, the software updates can also be downloaded and installed manually or automatically from the Bosch download server for the KTS 340.

KTS 890/870/840, KTS 570/540, KTS 340 and KTS 200: Diagnostic professionals – powered by ESI[tronic]

Bosch's new KTS diagnosis equipment, together with the ESI[tronic] software presents the perfect combination of hardware and software for efficient faultanalysis on the vehicle and professional repairs.

ESI[tronic] 2.0: Everything from a single source

In addition to control unit diagnostics, the new software contains information such as circuit diagrams, service and repair instructions, and system information. The software also contains the Bosch spare parts catalogs and catalog data from Bosch cooperation partners with service information and assembly instructions. When coupled with the easy operation, this ensures quick and economical work on the vehicle.

The DCU 130: Workshop oriented tablet PC and control unit for diagnostic systems

DCU 130: Robust and mobile

Easy handling: Integrated hand grip and touchscreen monitor

Workshop oriented tester and diagnostics center: The DCU 130 tablet PC

Developed especially for workshop use, the robust DCU 130 (Diagnostic Control Unit) controls the test and diagnostic systems of Bosch, e.g. FSA 500 and the modules from the KTS series. DCU 130 is both a PC and a control unit that can be used as an alternative to a laptop. The touch screen ensures flexible and convenient work.

Carefully thought out details make operation easier

- Easy handling of the DCU 130 with integrated hand grip on the back of the device
- Sturdy housing with 13.3" touchscreen monitor
- Recessed USB connection to enable protected connection of a dongle
- Integrated camera: Conspicuous features of the vehicle can be documented and the required spare parts can be photographed

Mobile work over long periods

- Inclusion of two identical lithium-ion batteries
- One battery is sufficient to continue operation in the workshop
- If required, the batteries can be replaced without interruption during regular operation (hot swap function)

Modular concept with the Diagnostic Control Unit

Specially designed for workshop use, the robust DCU 130 controls all the testing and diagnostic systems from Bosch. For qualified diagnostics, professional repair and maintenance, Bosch offers the following modular system components: the DCU 130 tablet PC and the KTS 570, the KTS 540 or the FSA 500. Their strengths: They can be combined to form a suitable solution for every workshop.

Recessed USB connection

Hot swap function

Integrated digital camera

Suitable connection: Modular concept for mobile complete solutions

A powerful team: The DCU 130, the new ESI[tronic] 2.0 software, the FSA 500 vehicle system analysis module, and the KTS 570 and KTS 540 control unit diagnostic modules

Technical data	DCU 130
PC board	Intel Merom 1.06 GHz DualCore processor, Operating system Windows 7, 2 GB main memory, 250 GB hard disk capacity
Display	13.3" WXGA color display with resistive 5-wire touchscreen, resolution 1280 x 800 dpi
Equipment	Multimedia, integrated camera min. 2 megapixels, Bluetooth class 1 and 2, WLAN 802.11 a/b/g/n. Ethernet 10/100 Mbit
Status indicator	Via 4 LEDs: On/Off, hard-drive access, WLAN, Bluetooth
Interfaces	2 USB 2.0 1 USB 2.0 integrated as recessed 1 RJ45 10/100 Mbit 1 MIC IN 1 connection for headset
Lithium-ion battery	2 lithium-ion batteries 14.4 V, 32 Wh. Batteries with charge status indicator
Housing	Sturdy housing, IP 54 (IP 65 at front)
Operating temperature	0 to 40 °C
Dimensions	355 x 262 x 42 mm (W x H x D without handle)

With the combined solutions KTS 890, KTS 870, and KTS 840 Bosch offers a modular workshop-based and professional diagnostic system which can be selected for a specific diagnosis.

Flexible workshop system
The KTS 570 or KTS 540 from the KTS series, combined with the convenience of the DCU 130 tablet PC (including charger), ensure safe, practical, and economical diagnosis in the workshop.

KTS 890: Flexible measuring technology for ECU diagnosis and vehicle system analysis

KTS 890: Combination of the DCU 130, KTS 540 and FSA 500 – advantageous module concept with wireless link to the PC system

- Positioning of the FSA 500 module in the engine compartment
- Positioning of the SD module in the vehicle interior
- Convenient adaptation with short sensor lines

KTS 890 (DCU 130 + KTS 540 + FSA 500): The mobile test system for electrics and electronics diagnostics

The handy FSA 500 from Bosch forms the perfect basis for cost-effective vehicle system analysis. The battery-driven measuring module has a wireless link to the tablet PC. Its main strengths include easy testing of all important electric and electronic components, and the convenient display of actual values from ECU diagnosis (KTS module). A large number of practical equipment details make KTS 890 a safe investment.

KTS 890: Advantages of fast engine tests

Equipment for cost-effective use

- Compact, battery-driven measurement module with wireless link to the DCU 130 tablet PC
- Software for testing the most important electrical and electronic components
- Time-saving testing while components remain in the car
- Around 30 preset component tests
- Signal generator simulates sensor signals
- Measurement of battery no-load for up to 24 hours
- Universal oscilloscope with 2-channel (2x40 MS/s) and 4-channel mode (4x1 MS/s)
- Testing of vehicle bus systems (e.g. CAN)
- Importing and saving comparative curves
- Proper engine test functions

Equipment details FSA 500

Storage case, network component with network connecting cable, USB cable, SystemSoft[plus] system software, Multi 1/Multi 2 and B+/B connecting cable, terminal 1/15 connecting cable, trigger clamp and current clamp 1,000 A, air pressure measurement with hose, universal KB probe, and remote operation push-button.

KTS 870 and **KTS 840**: ECU diagnosis with first-class measuring technology

KTS 870: Combination of DCU 130 and KTS 570

Wireless connection for faster work at the vehicle

KTS 870 (DCU 130 + KTS 570):
Easier testing of complex electronics

- Intelligent and future-safe due to internal OBD exchange adapter
- Software-controlled through ESI[tronic] 2.0
- Simple connection of the KTS module to the vehicle
- Clear communication via multiplexer and cable adapter recognition: K and L line, SAE and CAN can be connected to all possible terminals on the OBC connector
- Intelligent adapter cable ensures:
  – Safe control of the multiplexer
  – Automatic control unit search function

KTS 840 (DCU 130 + KTS 540):
Fast connection with “Easy Connect”

In order to safely recognize manufacturer-specific diagnostic sockets, Bosch offers “Easy Connect”, the easy adapter concept. Only manufacturer-specific adapter leads and OBD diagnostic cables can be easily connected for a direct link to the reliable control unit diagnostics.

KTS 570/540

- Thanks to a USB interface, the KTS module can also be connected to all current laptops/PCs
- Mounting bracket included in scope of delivery

KTS 870: First-class technical equipment

Control unit diagnostics with first-class equipment

- Integrated 2-channel multimeter and 2-channel oscilloscope
- Resistance measurement with enhanced measurement ranges
- Voltage measurement with enhanced measurement functions
- Module holder allows easy attachment and detachment
- Visual and acoustic status detection and monitoring of wireless link
- Simulation mode can be individually adjusted with the DDC (diagnostics device configuration). Demonstration possible without vehicle
- Continuity tester for locating faults
- Diode measurement for testing components
- Possibility to adapt FSA current clamps

KTS 840: Reliable combination with advantages

Convenient and mobile because of the wireless “Bluetooth transmission”

- Bluetooth Class 1 Standard with a range of up to 100 m
- Control and activation of the installation via integrated DCC software
- Automatic KTS module search
- Wireless connection test by the integrated transducer
- Test program for testing wireless connection

KTS 570 / 540
Safe, convenient and quick

KTS 570 wireless: Top-of-the-range model of the new series and workshop all-rounder

KTS 540 wireless: Mobile workshop deployment for fast workflows

The easier way to test complex electronics

Rapid troubleshooting with reliable results is and will continue to be required for all vehicles brought to the workshop today and in the future. With KTS technology, you are well equipped to meet the demands placed on workshops today by modern vehicle technology.

- Intelligent and with a secure future due to internal OBD-exchange adapter
- Software-controlled by ESI[tronic] 2.0
- Simple connection of the KTS series to vehicles
- Clear communication via multiplexer and cable adapter recognition: K and L line, SAE and CAN can be connected to all possible terminals on the OBD connector
- Intelligent adapter cable guarantees for the future:
  - Reliable control of the multiplexer
  - Automatic ECU search function
- OBD-exchange adapter integrated in device, for simple replacement later with an updated version
- Simple fastening and releasing by means of a module mounting bracket
- Visual and acoustic status identification / monitoring of the wireless connection
- Simulation mode can be adjusted individually via DDC / demonstration possible without vehicle
- Resistance measurement with enhanced ranges
- Continuity tester for locating faults
- Diode measurement for testing in components
- Voltage measurement with enhanced measurement functions
- Current measurement with additional adaptation option of FSA current clamps
- Universal application for passenger cars and commercial vehicles by means of universal OBD connector, for 14 V and 28 V vehicle electrical systems

The KTS series from Bosch: KTS 570 / 540

Secure future through integrated exchange adapter

Radio communications technology: Flexible at the vehicle

KTS 570 / 540 wireless
Diagnostics experts for the latest technology

Data exchange by radio: From KTS 570 / 540 wireless to PC

Technical Data	
Equipment	KTS 570: 2-channel multimeter and oscilloscope KTS 540: 1-channel multimeter
Weight	approx 0.5 kg
Connections	OBD diagnostics cable, USB, mains adapter, operation display
Wireless connection	Bluetooth

Mobile communications connection fully in view

- During installation and operation, the status of the wireless connection is constantly indicated in the task bar on the screen
- If the wireless connection is lost, an acoustic signal sounds

Communication No communication Connection ok ... not ok

KTS 570 / 540 wireless: Convenient and mobile thanks to wireless Bluetooth data transfer

- Bluetooth Standard Class 1 with a range of up to 100 m
- Bluetooth USB adapter from Bosch included in scope of delivery for convenient and simple initial installation
- Control and activation of the installation by means of the integral DDC (Diagnostics Device Configuration) software
- Automatic KTS module search
- Wireless connection test by the integrated transducer
- Test program for checking the wireless connection

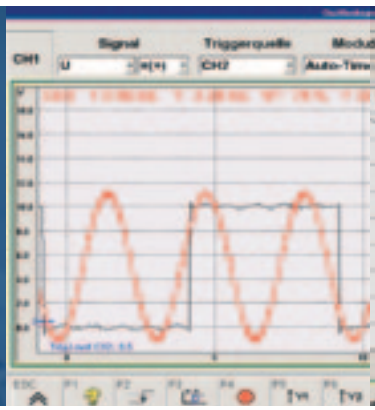
Simplified adapter concept “Easy Connect”

For reliable recognition of manufacturer-specific diagnostic connections, Bosch now introduces the new simplified adapter concept “Easy Connect”. Now, all that needs to be done for reliable control unit diagnostics is to join the manufacturer-specific adapter cable and the OBD diagnostics cable to make a direct connection.

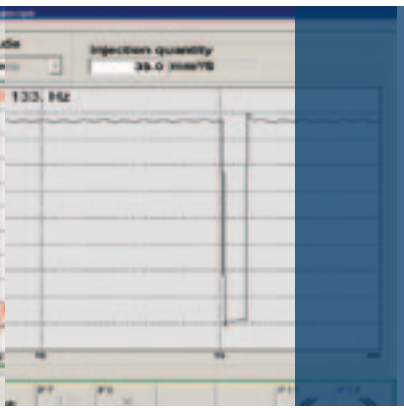
KTS 570 / 540

- The USB interface means that the KTS 570 and KTS 540 can be connected to all common laptops / PCs
- Mounting bracket included

Oscilloscope measurement parallel to diagnosis

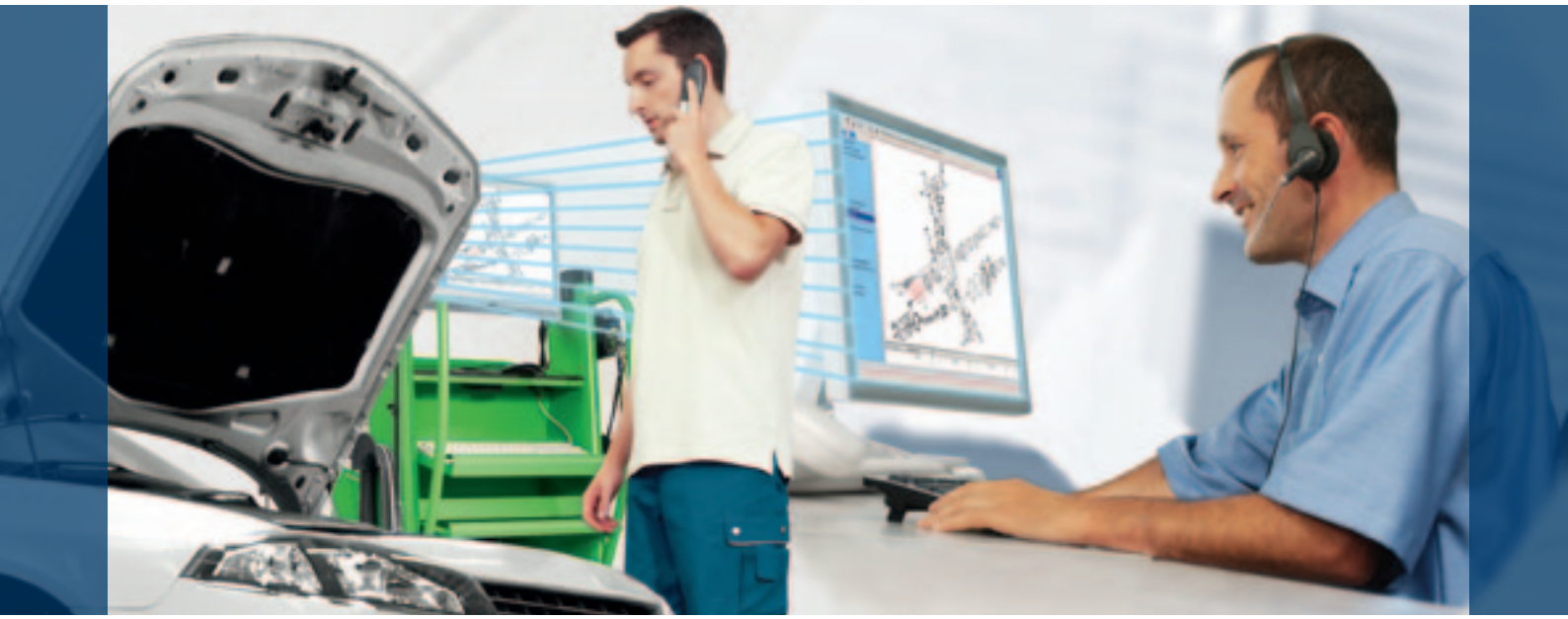


2-channel oscilloscope for optimum troubleshootinge



Component signal and actual value at a glance

Quick help with problems: Technical hotline and remote diagnosis from Bosch



Technical hotline and remote diagnostics for all ESI[tronic] customers

Know-how and problem solving by Bosch for daily work in the workshop. Trained experts quickly and effectively help in the diagnostics and repair of passenger cars and commercial vehicles.

The advantages of the technical hotline at a glance:

- **Save time:** Repair and service – easier and faster
- **Create space:** The burden on workshop managers or foremen is relieved and they can concentrate on important tasks such as customer support
- **Increase customer binding:** Customers impressed by good service
- **Increase staff satisfaction:** Fast and competent support produces a sense of achievement and boosts motivation

Remote diagnosis: This is how the expert helps directly on your computer

Modern software makes it possible: If you are stuck for a solution, our hotline expert provides assistance on your computer using controlled data access.

One problem – three options:
Using the hotline for making a profit ...

A mechanic finds the error after 3 hours – search not, diagnostics canceled (without invoicing)
Lost wages – 240 €

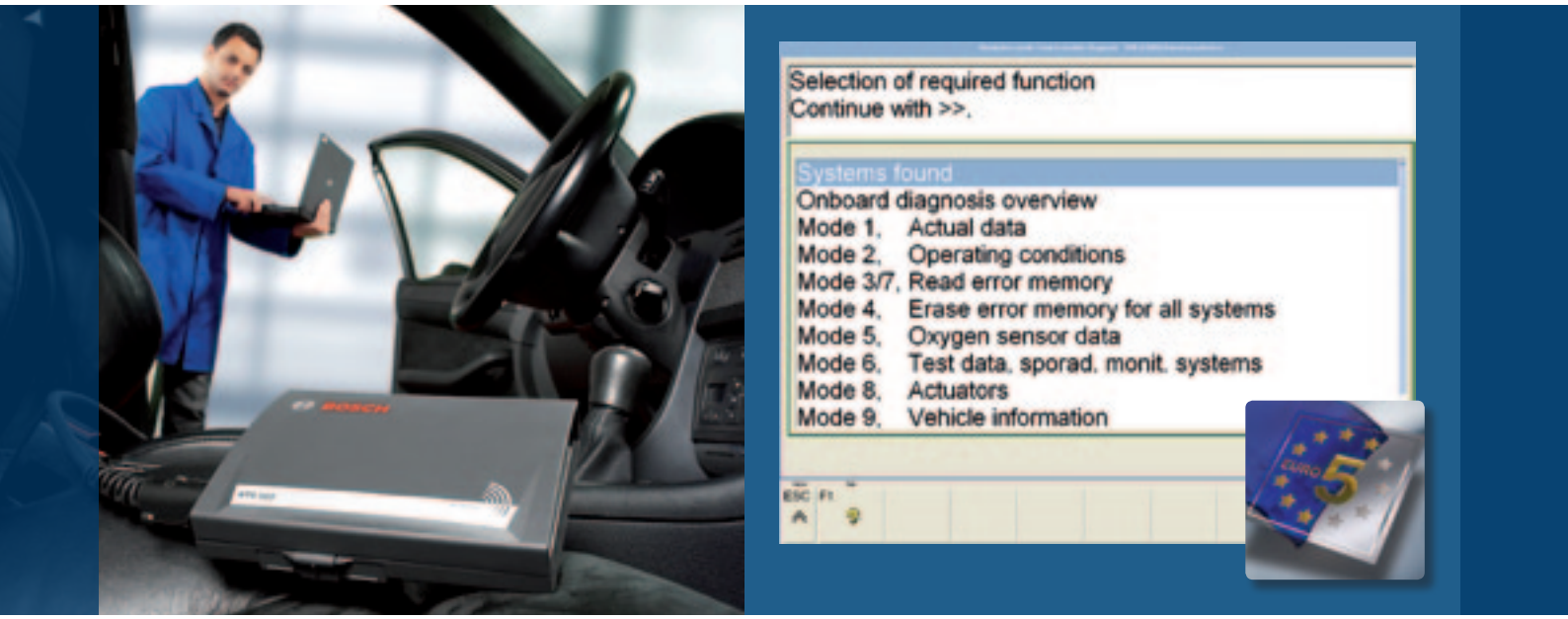
Mechanic calls foreman after 2 hours diagnostic tests – 160 €
Foreman finds error after 0.5 hours – 40 €
Repairs carried out – 40 €
Bill (according to estimates) + 160 €
Lost wages – 80 €

Mechanic calls hotline after 1 hour – 80 €
Hotline assists in a targeted manner – €*
Hotline call
Repairs carried out – 40 €
Bill (according to estimates) + 160 €
Profit + 40 €

* minus costs for hotline: subscribers to ESI [tronic] workshop software pay (min. activation for control unit diagnostics and troubleshooting instructions), in addition to a flat rate of 25. - € / month, only telephone charges of 0.90 € /min (mobile rates may vary). Questions asked online over the knowledge data base approx. 0.015 €/ min. (provider costs).

... and taking a significant load off the foreman.
Adopted charge rate: 80 €/ hour
A simple calculation: The hotline helps your rate of return.

KTS 515: Entry level access to mobile OBD and reprogramming in line with Euro 5


Selection of required function
Continue with >>.
Systems found
Onboard diagnosis overview
Mode 1, Actual data
Mode 2, Operating conditions
Mode 3/7, Read error memory
Mode 4, Erase error memory for all systems
Mode 5, Oxygen sensor data
Mode 6, Test data, sporad. monit. systems
Mode 8, Actuators
Mode 9, Vehicle information
EURO 5

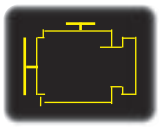
KTS 515 for On Board Diagnostics

KTS 515: The ideal OBD solution for the diagnosis of exhaustgas-related systems

With OBD (On Board Diagnostics), a Europe-wide standard for emission values and their correct testing was introduced. Simple, fast and workshop-oriented testing of emission values in accordance with the OBD standard: The KTS 515 is the perfect entry level solution for this task, providing connection to an existing PC or laptop.

- Reads out OBD modes 1-9 (current range of functions of the OBD standard)
- Display of standardized P0 codes
- Supports all four communication protocols
- OBD module for retrofitting Bosch exhaust-gas testers
- The usual, straightforward operator guidance
- Software update option with extension of the OBD standard
- Reprogramming of electronic control unit, in accordance with Euro 5
- Pass-Thru capability: Complete OBD diagnosis for all vehicle brands
- Load reduction on workshop diagnostic devices for control unit reprogramming

General: Only testers that are already Euro 5-compatible can be used for ECU reprogramming. This only includes devices in which a "Pass-Thru Interface" is already integrated. At Bosch, the KTS 890, 870, 840, 670, 570, 540, 515, and 340 can be used for this.



Malfunction display (MI Malfunction Indicator)

The malfunction indicator is a yellow indicator lamp with the symbol of an engine.

Technical data	KTS 515
Weight	0.3 kg
Printout on	Commercial-type printer (via PC)
Connections	OBD diagnostics cable, USB, Bluetooth, power supply unit, operating display
Dimensions	170 x 120 x 35 mm (W x H x D)

Equipment supply

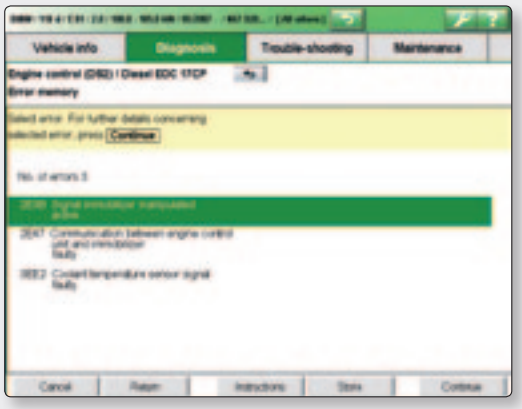
Module, OBD diagnostics cable, PC module connecting cable (USB), USB Bluetooth adapter, software exhaust test OBD with KTS 515 PC program, power supply unit, case.

Accessories

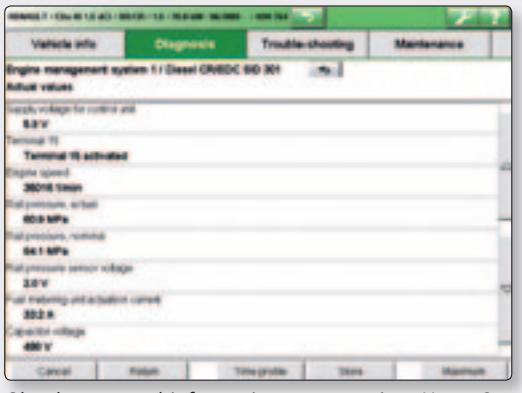
- Longer PC connecting cables
  - USB 2 m — 1 684 465 507
  - Adapter cable 5 m — 1 684 465 567

For operation of the KTS 515, a PC or notebook with the following features is necessary: CD drive, Win XP, minimum 128 MB main memory, a free USB or serial interface and at least 600 MB hard disk capacity for the software installation.

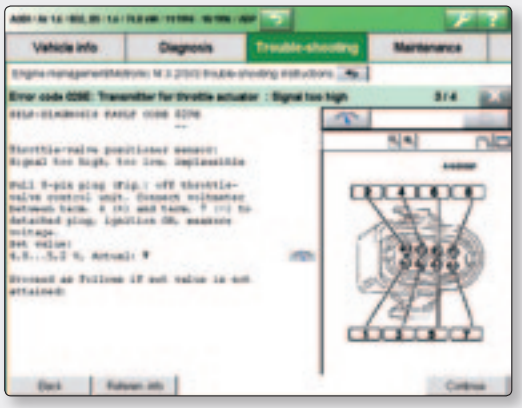
KTS 340: Easy to use – hard to beat



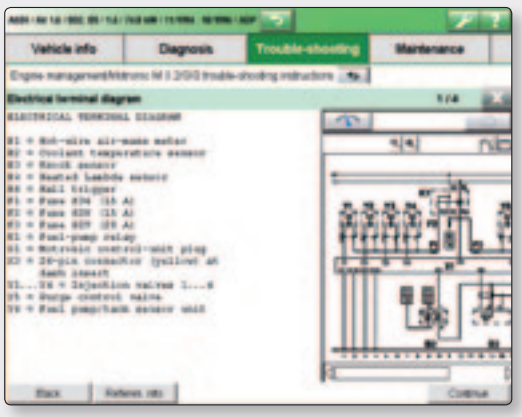
New flexibility: Can jump at any time from ECU diagnosis to troubleshooting or component repair



Clearly arranged information presentation: Up to 8 actual values can be displayed at the same time



“Networked” troubleshooting: Troubleshooting instructions with detailed fault description can be called up



All important information readily available: E.g. wiring diagrams

KTS 340: Compact, complete, mobile

A tester for all purposes

Many workshops want a multifunctional tester. The KTS 340 fulfills this desire. All “tools” necessary for trouble-shooting are available in the tester. It is ideally suitable for independent workshops and fast fitters, or as a secondary device for mobile use.

ESI[tronic] software makes it easy

The KTS 340 can be operated easily thanks to the clearly arranged and structured software. This starts with the standardized, optimized vehicle identification. The workshop easily manages all types of information for trouble shooting: Whether from the system overview direct to diagnosis and troubleshooting, from troubleshooting and the maintenance schedule direct to diagnosis, or from diagnosis direct to component repair.

Information and measuring technology

The new KTS 340 provides all necessary information and the measuring technology for ECU diagnosis, guided troubleshooting, repair, maintenance and service.

Achieve your goal faster: Comprehensive measuring technology and software

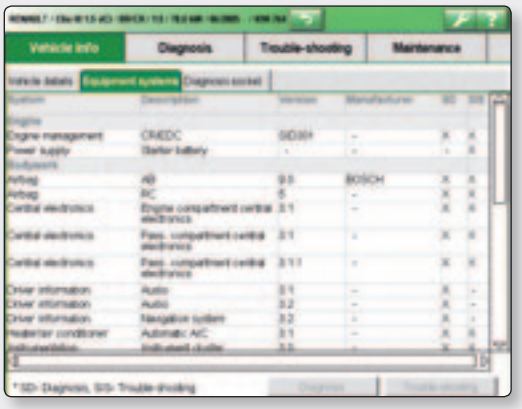
Comprehensive basic equipment supplied with a sturdy case

Workshop-compatible for modern systems
The tester is tailored to repairs with ECU diagnosis software, fault-finding instructions, maintenance information and integrated multimeters. And everything is guided by new, practical menu navigation tuned to work sequences in the workshop.

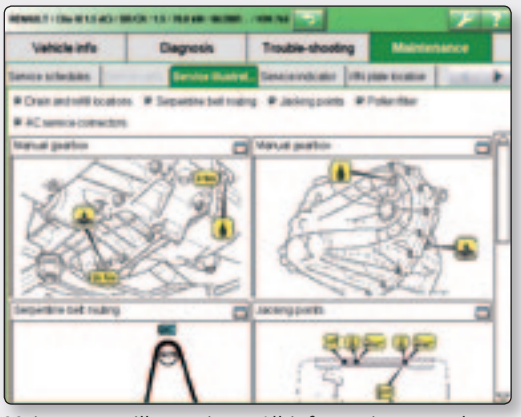
Modern test equipment

- 2-channel multimeter: CAS[plus] also makes the multimeter function available directly on the trouble-shooting interface: Resistance, current and voltage values with automatic target-actual comparison. The measured values can also be displayed as curves
- Can perform all workshop tasks: Integrated measuring technology and integrated WLAN (in preparation)
- Mobile power supply through rechargeable batteries

Wireless and mobile
About WLAN (in preparation), e.g. protocols and maintenance plans can be printed out wirelessly via PC.

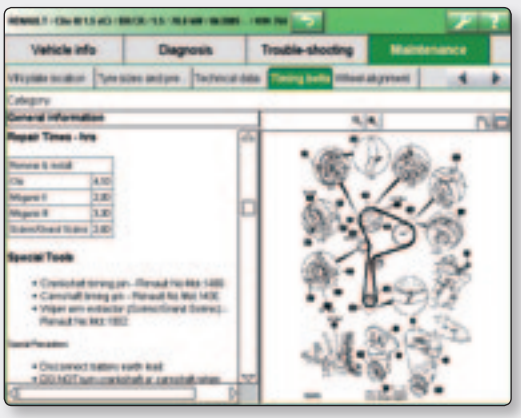


Vehicle information: All higher-order information on the vehicle: Details, systems and diagnostics socket



Maintenance illustrations: All information at a glance

Comparable at all times: All test values can be displayed at the interface



All information on toothed belt change

KTS 340:
Robust, light and fast

Energy supply guaranteed: The new variable charging tray

Perfect combination: KTS 340 and ESI[tronic]

High benefits for the workshop

- Test professional with full range: ECU diagnosis, troubleshooting, repair and maintenance
- New intuitive operating concept covering all information
- Fast and easy to operate via the touchscreen – with a standardized screen concept
- Can be switched over immediately: From control unit diagnosis to troubleshooting (component repair) and vice versa
- Ideal in service – speeds up the work steps that make money for the workshop
- Easy to handle, mobile everywhere in the workshop and can be used in or on the vehicle

Technical Data	KTS 340
PC board	Operating system Linux, 8 GB SD Card
Display	8.4" TFT color display with touchscreen
Resolution	SVGA 800 x 600 dpi
Equipment	2-channel multimeter and WLAN integrated
Status indicator	Via 2 LEDs: On / Off, mains operation, battery charge status
Battery	Service life depending on charge status and application approx. 1 to 2 hours, 8 x AA cells, rechargeable
Housing	Stable plastic housing, integrated impact protection
Operating temperature	0 to 40 °C
Weight	approx. 2 kg
Dimensions	290 x 214 x 67 mm (W x H x D)

All-in-one solution for diagnosis, troubleshooting, repair and maintenance

Good management of vehicle information
Higher-order information, such as details on the vehicle, which systems are installed, or where the diagnostics socket is located in the vehicle

Use of ECU diagnosis
Direct access to the ECU diagnosis: Tester functions “Read fault memory”, “Delete fault memory”, actual values, setpoint values and actuator test

All functions quickly under control
SIS/CAS[plus] offers vehicle- and system-specific information on the selected vehicle system

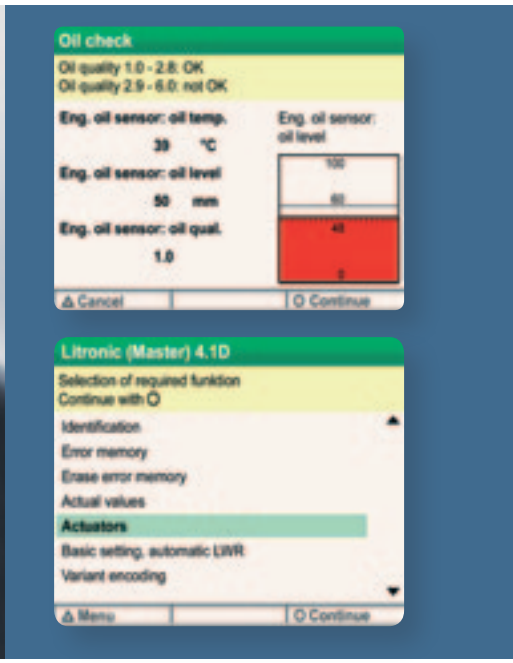
Maintenance
Here you will find a clearly arranged and systematic presentation of all information required for maintenance

TSB Technical Service Information
Ideal supplement to SIS instructions for rapid access to well-known vehicle faults and offers assignment according to symptom and system group (ABS, airbag, engine, etc.)

Precise and fast measuring technology
Comprehensive multimeter capabilities for resistance measurement, diode measurement, voltage measurement and current measurement

KTS 200: Perfectly suited to the workshop

The workshop pro KTS 200: Compact, fast and tough



Precise adjustment of the automatic headlamp leveling control

KTS 200 from Bosch: The right testing device for every workshop
Today's daily workshop operation is impossible without an efficient and easily handled testing device. The KTS 200 is light, robust and compact and, at the same time, provides complete ECU diagnosis. Its strength lies in fast and reliable testing of modern vehicle technology.

Particularly practical:
The KTS 200 can be connected directly at the vehicle. This facilitates and accelerates the vehicle receiving inspection. This type of mobility alone makes it an ideal secondary device for every workshop. For workshops with tight work processes, in particular, such as immediate service, oil service, light service, tire services, etc., it proves to be perfect test equipment.

Professional package: The ideal package for allrounders
- With complete scope and range of ECU diagnosis
- Service interval reset
- Oil change
- Tire change
- Headlight service
- Air conditioning service
- Brake service
- Initializing sensors after chassis examination
- Installation of accessories (trailer hitch, radio, navigation systems, luggage racks, etc.)

Powered by ESI[tronic] software
The KTS 200 is supplied with the preinstalled, specially further developed ESI[tronic] software. This makes operation of the KTS 200 particularly simple and fast. Key functions are displayed on the screen. For each of the service package, all essential information about the control units and special functions, e.g. engine/brake systems, are available.

Perfectly tailored to your service profile
For systematic service and cost-effective repair, whether in tire service or mechanical operation, every workshop needs important information from the vehicle's control units.

Technical data	KTS 200
Computer	Embedded System
Display	3.5" color LCD display ¼ VGA with 320 x 240 pixels
Operation	Keyboard with 5 selection keys duplicated for left/right operation, 2 function keys
Housing	Plastic housing with rubber coating
Weight	0.6 kg
Connections	OBD diagnostics cable, USB, supply voltage
Dimensions	220 x 140 x 40 mm (W x H x D)

KTS functions
at a glance

KTS functions	KTS 890[1]	KTS 870[1]	KTS 840[1]	KTS 570[1]	KTS 540[1]	KTS 515[1]	KTS 340[1]	KTS 200[1]
Diagnostics programs, passenger cars ISO systems for EU vehicles ISO 9141-2, K/L lines, blink code SAE systems for American and Japanese vehicles - SAE J 1850 VPW (Ford) corresponds to ISO 11 519-4 - SAE J 1850 PWM (GM,...) corresponds to ISO 11 519-4 OBD CAN protocols - CAN ISO 11898 ISO 15765-4 OBD High-speed - High-speed, middle-speed, Low-speed and single-wire CAN	●	●	●	●	●	–	●	●
Mobile communications connection to the PC	●	●	●	●	●	●	●	–
Bluetooth	●	●	●	●	●	●	–	–
WLAN	●	●	●	–	–	–	●	–
USB interface	●	●	●	●	●	●	●	●
AWN capability	●	●	●	●	●	–	–	–
Integration into company-internal networks	●	●	●	–	–	–	–	–
Measuring techniques Accuracy: 1% of measured value Voltage: Min. resolution 0.1 mV; max. measurement range 200 V Resistance: Min. resolution 100 mOhm; max. measurement range 1 mOhm Current: Min. resolution 0.1 mA; max. measurement range 1,000 A (special accessory)	●	●	●	●	●	●	–	–
1-channel multimeter	–	●	●	–	●	–	–	–
2-channel multimeter	–	●	–	●	–	–	●	–
2-channel oscilloscope Input resistance: 1 mOhm Trigger: Various sources Memory: 50 signal curve each with 2 channels Channel 1: No voltage Channel 2: No voltage 1-channel operation: 10 megasamples/sec 2-channel operation: 2 x 5 megasamples/sec	–	●	–	●	–	–	–	–
Display	13,3"	13,3"	13,3"	–	–	–	8,4"	3,5"
Operation								
Touchscreen	●	●	●	–	–	–	●	–
Buttons	●	●	●	–	–	–	●	●
OBD-exchange adapter, controlled by software ESI[tronic]								
Interchangeable	●	●	●	●	●	●	●	–
Multiplex system	●	●	●	●	●	●	●	●

[1] Device only operative with ESI[tronic] enabling/licensing

KTS functions
at a glance

KTS functions	KTS 890[1]	KTS 870[1]	KTS 840[1]	KTS 570[1]	KTS 540[1]	KTS 515[1]	KTS 340[1]	KTS 200[1]
Connection option								
DVD drive	●	●	●	–	–	–	–	–
Keyboard / mouse	●	●	●	–	–	–	–	–
Printer connection	●	●	●	–	–	–	●	–
Equipment in line with workshop needs								
Effective shock protection	●	●	●	–	–	–	●	●
Drip-proof	●	●	●	●	●	●	●	●
Function temperature range 0 to 40 °C	●	●	●	●	●	●	●	●
Power supply								
Via vehicle battery (diagnosis connector)	●	●	●	●	●	●	●	●
Via internal battery	●	●	●	–	–	–	●	–
Via cigarette lighter	●	●	●	●	●	●	●	●
Via network component	●	●	●	●	●	●	●	●
Adapter concept “Easy Connect“	●	●	●	●	●	–	–	●
Possible ESI[tronic] information								
Catalog and parts information	●	●	●	●	●	–	–	–
Order processing and calculation	●	●	●	–	–	–	–	–
Diagnostics and repair of the vehicle	●	●	●	●	●	–	●	–
Diagnostics and repair of the product	●	●	●	●	●	–	–	–
Diagnostics	●	●	●	●	●	–	●	●
OBD-Diagnostics	●	●	●	●	●	●	●	●
Scope of delivery								
Network component (15 V / 1 A)	●	●	●	●	●	●	–	●
Network component (15 V / 4 A)	●	●	●	–	–	–	●	–
Network component (20 V / 3,5 A)	●	●	●	–	–	–	–	–
Network connecting cable	●	●	●	●	●	●	●	●
OBD change adapter, exchangeable	●	●	●	●	●	●	●	–
OBD diagnostic cable 1.5 m	●	●	●	●	●	–	–	●
OBD diagnostic cable 3.0 m	–	–	–	–	–	●	●	–
Uni 4 adapter	●	●	●	●	●	●	●	–
Universal adapter set	–	–	–	–	–	–	–	–
Measuring cable 2-core (red, black) 3.0 m	–	●	–	●	–	–	–	–
Measuring cable 2-core (blue, yellow) 3.0 m	–	●	–	●	–	–	–	–
Measuring cable blue / yellow	●	–	●	–	●	●	●	–
Measuring cable black	●	●	●	●	●	●	●	–
Test prod, red	●	2 x	●	2 x	●	●	2x	–
Terminal connector, black	●	●	●	●	●	●	●	–
DVD drive	●	●	●	–	–	–	–	–
USB connecting cable, 1.0 m	2 x	–	–	–	–	–	–	●
USB connecting cable, 3.0 m	●	●	●	●	●	●	●	–
Bluetooth USB adapter	●	●	●	●	●	–	–	–
Touch pen	●	●	●	–	–	–	●	–
Suitcase	●	●	●	●	●	●	●	●
Mounting KTS 540 / 570	●	●	●	●	●	●	–	–
8 x AA batteries for KTS 340	–	–	–	–	–	–	●	–
2 x lithium-ion batteries for DCU 130	●	●	●	–	–	–	–	–

[1] Device only operative with ESI[tronic] enabling / licensing

Scope of delivery
of the KTS series

DCU 130: Robust tablet PC and control unit for KTS modules

Accessory kit included with the KTS 570

DCU 130 (Diagnostics Control Unit)
Workshop oriented tablet PC and central control unit for test and diagnostic systems from Bosch

KTS 890
Combination of DCU 130, FSA 500 and KTS 540

KTS 870
Combination of DCU 130 und KTS 570

KTS 840
Combination of DCU 130 und KTS 540

KTS 570: The convenient wireless solution with top measuring technology for even more diagnosis
The control unit diagnostics device with 2-channel measuring technology for multimeter/oscilloscope

- Complete ECU diagnosis
- 2-channel oscilloscope
- 2-channel multimeter
- Diagnostics oscilloscope
- Other ESI[tronic] info types possible
- Adapter concept “Easy Connect”, can be connected directly

Comprehensive basic equipment for KTS 340 supplied

Accessory kit included with the KTS 200

KTS 340: Mobile all-round solution for comprehensive vehicle diagnosis
Professional tester with complete program:

- Mobile test system
- All-in-one solution for diagnostics, troubleshooting, repair and maintenance
- Customer-friendly operating and control concept
- Fault found with only 10 clicks
- Adapter concept “Easy Connect”, can be connected directly

KTS 200: Entry level version for comprehensive ECU diagnosis
The proven entry into ECU diagnosis with new menu guidance for simple and rapid diagnoses

- Complete ECU diagnosis
- Adapter concept “Easy Connect”, can be connected directly

Adapter concept
“Easy Connect”

BMW 20-pin
1 684 463 631

Daewoo / GM 12-pin
1 684 463 632

Fiat-Gruppe 3-pin
1 684 463 613

Honda 3- and 5-pin
1 684 463 634

Hyundai / Mitsubishi 12-pin
1 684 463 638

Mazda 25-pin
1 684 463 637

KIA 20-pin
1 684 463 636

Nissan 14-pin
1 684 463 639

Peugeot 30-pin (PSA 30)
1 684 465 583

Renault Nfz 12-pin
1 684 465 581

Renault Pkw 12-pin
1 684 465 582

Toyota without Pin 1/9
1 684 463 686

Toyota 17-pin
1 684 463 642

Toyota 23-pin
1 684 463 643

VW / Audi
1 684 463 611

Mercedes Benz
1 684 463 594

Mitsubishi[1]
1 684 463 741

Carrying case with vehicle-specific adaptations for simple, rapid connections with no risk of confusion.
Carrying case for cable set[2]
1 684 011 516/1 684 011 517

Convincing advantages for the workshop

- Only one direct connection cable
- Automatic recognition of the vehicle-specific connections
- Simple, fast and non-interchangable adaptation on vehicle
- Check of connection and matching connection cable
- Fewer plug connections
- Simplified and intelligent multiplexer control
- Software-controlled communication pin selection

[1] Only for KTS 200 [2] Country-specific version

KTS series
Order numbers and special accessories

Control unit diagnostics using the KTS series: Rugged, top-of-the line technology from Bosch for effective and efficient operation

Order numbers

Device	Order number
KTS 890	0 684 400 890
KTS 870	0 684 400 870
KTS 840	0 684 400 840
DCU 130	0 684 400 130
FSA 500	0 684 010 510

Modell	Order number
KTS 570	0 684 400 570
KTS 540	0 684 400 540
KTS 515	0 684 400 515
KTS 340	0 684 400 340
KTS 200	0 684 400 200

Special accessories

Special accessory	Order number	KTS 890	KTS 870	KTS 840	KTS 570/540	KTS 340	KTS 200
Tire valve activator	1 687 200 663	●	●	●	●	●	●
Printer PDR 372[1]	1 687 023 508	●	●	●	●	–	–
USB connecting line 1.0 m	1 684 465 491	●	●	●	●	●	●
Touchpen KTS 340	1 683 083 007	–	–	–	–	●	–
Charging tray KTS 340	1 687 023 477	–	–	–	–	●	–
Battery charging station DCU 130	1 687 335 036	●	●	●	–	–	–
Test shunt 0 to 600 mA	1 684 503 103	●	●	●	●	●	–
AC/DC current clamp 100/600 A	1 687 224 864	●	●	●	●	●	–
Mounting KTS 200	1 681 320 082	–	–	–	–	–	●
Battery for KTS 340 (order 8 units)	1 687 335 031	–	–	–	–	●	–
Battery for DCU 130	1 687 335 037	●	●	●	–	–	–

[1] Also order USB connecting line

KTS series
Special accessories

Special accessory	Order number	KTS 890/870/840	KTS 570/540	KTS 340	KTS 200
Adapter cables "Easy Connect" (new adapter concept)					
Adapter cable BMW 20-pin	1 684 463 631	●	●	●	●
Adapter cable Daewoo / GM 12-pin	1 684 463 632	●	●	●	●
Adapter cable Fiat Group 3-pin	1 684 463 613	●	●	●	●
Adapter cable Honda 3-pin and 5-pin	1 684 463 634	●	●	●	●
Adapter cable Hyundai / Mitsubishi 12-pin	1 684 463 638	●	●	●	●
Adapter cable KIA 20-pin	1 684 463 636	●	●	●	●
Adapter cable Mazda 25-pin	1 684 463 637	●	●	●	●
Adapter cable Nissan 14-pin	1 684 463 639	●	●	●	●
Adapter cable Peugeot 30-pin (PSA 30)	1 684 465 583	●	●	●	●
Adapter cable Renault commercial vehicles 12-pin	1 684 465 581	●	●	●	●
Adapter cable Renault passenger cars 12-pin	1 684 465 582	●	●	●	●
Adapter cable Scania / DAF commercial vehicles 16-pin	1 684 463 644	●	●	●	●
Adapter cable Suzuki 6-pin	1 684 463 641	●	●	●	●
Adapter cable Toyota (Avensis) without pins 1 & 9	1 684 463 686	●	●	●	●
Adapter cable Toyota 17-pin	1 684 463 642	●	●	●	●
Adapter cable Toyota 23-pin	1 684 463 643	●	●	●	●
Adapter cable VW / Audi	1 684 463 611	●	●	●	●
Adapter cables (existing adapter concept)					
Adapter cable Daewoo[1]	1 684 463 489	●	●	●	●
Adapter cable Ford[1]	1 684 463 440	●	●	●	●
Adapter cable Ford EEC4[1]	1 684 463 496	●	●	●	●
Adapter cable Ford[1] (adaptation PSG-5 pump unit via CAN)	1 684 463 652	●	●	●	●
Adapter cable MAN 37-pin[1] (EDC, MS 5)	1 684 463 498	●	●	●	●
Adapter cable MAN 12-pin[1] (EDC, MS 6.1, MS 6.4, CR, EDC7C)	1 684 463 499	●	●	●	●
Adapter cable Mercedes-Benz[1]	1 684 447 032	●	●	●	●
Adapter cable Mercedes-Benz (Sprinter, Atego)[1]	1 684 463 494	●	●	●	●
Adapter cable Opel Multec[1]	1 684 463 410	●	●	●	●
Adapter cable Opel Vauxhall[1]	1 684 463 464	●	●	●	●
Adapter cable PSA (+/-Clip)[1]	1 684 460 182	●	●	●	●
Adapter cable PSA 2-pin[1]	1 684 460 181	●	●	●	●
Adapter cable Renault[1]	1 684 463 468	●	●	●	●
Adapter cable Rover[1]	1 684 463 439	●	●	●	●
Adapter cable Scania 16-pin (R 124, R144)[1]	1 684 463 497	●	●	●	●
Adapter cable for power supply[1] (connection to cigarette lighter)	1 684 460 202	●	●	●	●
Power supply banana connector and power supply socket[2]	1 684 460 231	●	●	●	●
Uni-4 adapter	1 684 463 539	–	–	–	●
OBD diagnostics cable 1.5 m	1 684 465 555	–	–	●	–
OBD diagnostics cable 3 m	1 684 465 557	●	●	–	●
OBD diagnostics cable 5 m	1 684 465 567	●	●	●	●
OBD adapter box with OBD connector	1 684 462 514	●	●	●	●
Level adaptation 12 V / 5 V	1 684 463 495	●	●	●	●
Test adapter Mercedes-Benz 38-pin[1]	1 684 485 382	●	●	●	●
Test cable set	1 687 011 208	●	●	●	●
KTS cable set, consisting of: For MB, Ford EEC4, Opel Vauxhall, Opel Multec, BMW and VW	1 687 001 855	●	●	●	–
KTS cable set, consisting of: Uni line, Uni connector set and adapter cables for MB, Ford EEC4, Opel Vauxhall, Opel Multec, BMW and VW	1 687 001 875	–	–	–	●
KTS cable set, consisting of: Adapter cable for PSA, Fiat, Lancia, Alfa, Citroen, Peugeot, Renault, BMW	1 687 011 517	●[1]	●	●	●
KTS cable set, consisting of: Adapter cable for VW, Audi, Fiat, BMW, MB, Toyota, Peugeot	1 687 011 516	●[1]	●	●	●

[1] Only in conjunction with Uni 4 adapter 1 684 463 539 (4-way KTS 200, 340, 530, 540, 570, 670)
[2] Only in conjunction with 1 684 460 182 oder 1 684 460 202

Connection to the vehicle depends on the diagnostics socket
Connection possibilities are the OBD diagnostics cable or OBD diagnostics cable plus "Easy Connect" or the OBD diagnostics cable plus Uni 4 adapter with vehicle-specific cable.

Bosch: Bringing you the workshop of the future

For over 125 years, Bosch innovations have been keeping vehicles on the road and getting people to and from their destinations while improving safety and peace of mind along the way.

Bosch Automotive Aftermarket offers workshops and retailers a comprehensive portfolio of products that is unmatched worldwide:

- Efficient diagnostics
- Innovative workshop equipment
- Quick, reliable delivery
- The world's most comprehensive range of spare parts – including both new and remanufactured
- Workshop concepts to meet every requirement
- Comprehensive training
- Targeted sales and marketing support
- A competent service hotline
- 24-hour online workshop services
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From parts to scheduling, organization and results, our solutions are combined with additional services to ensure your needs will be perfectly met, helping you to maximize your potential.

Workshop tip:
Geared to the growing proportion of electronics in vehicles, Bosch offers workshops suitable test equipment for all workshop sizes and service concepts.

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Germany
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FSA 760 – Vehicle system analysis unit for the systematic testing of components, systems and assemblies

KTS 800 Truck – Complete solution for control unit diagnostics of vans, heavy trucks, buses and trailers

BOSCH
Invented for life